

O I P E JCITS  
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Sheet 1 of 4

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT FOR PATENT (Use several sheets if necessary)					ATTY. DOCKET NO.: DX0261K1Q	SERIAL NO.: 09/718,102
					APPLICANT: Maria-Grazia RONCAROLO, et al.	
					FILING DATE: 11/20/00	GROUP: -1782 1647

## U.S. PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
FH	AA	4,483,920	20 Nov 84	Gillespie et al.	435	6	17 May 82
FH	AB	4,559,310	17 Dec 85	Cantor et al.	436	519	20 May 83

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	NO
FH	AC EP 405 980	2 Jan 91	EP	C12N	15/24	X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

FH	AD	Daniel M. Altman, et al., <u>Nature</u> 338:512-514, April 1989. "Cotransfection of ICAM-1 and HLA-DR Reconstitutes Human Antigen-Presenting Cell Function in Mouse L Cells"
FH	AE	Michel Arock, et al., <u>Eur. J. Immunol.</u> 26:166-170, 1996. "Interleukin-10 Inhibits Cytokine Generation from Mast Cells"
FH	AF	Rosa Bacchetta, et al., <u>J. Immunol.</u> 144:902-908, February 1990. "Host-Reactive CD4+ and CD8+ T Cell Clones Isolated from a Human Chimera Produce IL-5, IL-2, IFN-γ, and Granulocyte Macrophage Colony Stimulating Factor but Not IL-5"
FH	AG	Rosa Bacchetta, et al., <u>J. Exp. Med.</u> 179:493-502, February 1994. "High Levels of Interleukin 10 Production In Vivo Are Associated with Tolerance in SCID Patients Transplanted with HLA Mismatched Hematopoietic Stem Cells"
FH	AH	Rosa Bacchetta, et al., <u>J. Clin. Invest.</u> 91:1067-1078, March 1993. "Chimerism and Tolerance to Host and Donor in Severe Combined Immunodeficiencies Transplanted with Fetal Liver Stem Cells"
FH	AI	J.C. Becker, et al. <u>International Immunology</u> , 6(10):1605-12, 1994. "Maintenance of clonal anergy by endogenously produced IL-10"
FH	AJ	Maria-Teresa Bejarano, et al., <u>Int. J. Cancer</u> 35:327-333, 1985. "Effect of Cyclosporin-A (CsA) on the Ability of T Lymphocytes Subsets to Inhibit the Proliferation of Autologous EBV-Transformed B Cells"
FH	AK	Maria-Teresa Bejarano, et al., <u>Intl. Immunol.</u> 4:1389-1397, September 1992. "Interleukin 10 Inhibits Allogeneic Proliferative and Cytotoxic T Cell Responses Generated in Primary Mixed Lymphocyte Cultures"
FH	AL	Michael Bevan, <u>Immunol. Today</u> 5:128-130, 1984. "High Determinant Density May Explain the Phenomenon of Alloreactivity"
FH	AM	Avilash Bhandoola, et al., <u>J. Immunol.</u> 151:2355-2367, September 1, 1993. "Reduced CD3-Mediated Protein Tyrosine Phosphorylation in Anergic CD4+ and CD8+ T Cells"
FH	AN	Vassiliki A. Boussiotis, et al., <u>J. Exp. Med.</u> 180:1665-1673, November 1994. "CD2 Is Involved in Maintenance and Reversal of Human Alloantigen-specific Clonal Anergy"
FH	AO	F. Cardillo, et al. <u>European Journal of Immunology</u> , 23:2597-2605, 1993. "An age-related γδ T cell suppressor activity correlates with the outcome of autoimmunity in experimental Trypanosoma cruzi infection"

EXAMINER	DATE CONSIDERED
from Howard	12/18/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AP	Christophe Caux, et al., <u>Int'l. Immunol.</u> 6:1177-1185, 1994. "Interleukin 1 Inhibits T Cell Alloreaction Induced by Human Dendritic Cells"
F W	AQ	Andrew C. Chan, et al., <u>Ann. Rev. Immunol.</u> 12:555-592, 1994. "The Role of Protein Tyrosine Kinases and Protein Tyrosine Phosphatases in T Cell Antigen Receptor Signal Transduction"
	AR	Chung-Hsing Chang, et al., <u>Eur. J. Immunol.</u> 25:394-398, 1995. "B7-1 Expression of Langerhans Cells Is Up-Regulated by Proinflammatory Cytokines, and Is Down-Regulated by Interferon- $\gamma$ or by Interleukin-10"
	AS	Youchai Chen, et al., <u>Nature</u> 376:177-180, July 13, 1995. "Peripheral Deletion of Antigen-Reactive T Cells in Oral Tolerance"
	AT	Youchai Chen, et al., <u>Science</u> 265:1237-1240, August 26, 1995. "Regulatory T Cell Clones Induced by Oral Tolerance: Suppression of Autoimmune Encephalomyelitis"
	AU	F.Q. Cunha, et al., <u>Biochem. Biophys. Res. Comm.</u> 182:1155-1159, February 1992. "Interleukin-10 (IL-10) Inhibits the Induction of Nitric Oxide Synthetase by Interferon- $\gamma$ in Murine Macrophages"
	AV	Annalisa D'Andrea, et al., <u>J. Exp. Med.</u> 178:1041-1048, September 1993. "Interleukin 10 (IL-10) Inhibits Human Lymphocyte Interferon- $\gamma$ Production by Suppressing Natural Killer Cell Stimulatory Factor/IL-12 Synthesis in Accessory Cells"
	AW	Dimuthu R. DeSilva, et al., <u>J. Immunol.</u> 147:3261-3267, November 15, 1991. "Clonal Anergy Is Induced In Vitro by T Cell Receptor Occupancy in the Absence of Proliferation"
	AX	Jan E. de Vries, et al., eds., <u>Interleukin-10</u> , R.G. Landes Co., Austin, TX, title page, verso, and table of contents, 1995.
	AY	Rene de Waal Malefyt, et al., <u>J. Immunol.</u> 150:4754-4765, June 1, 1993. "Direct Effects of IL-10 on Subsets of Human CD4+ T Cell Clones and Resting T Cells"
	AZ	René de Waal Malefyt, et al., <u>J. Exp. Med.</u> 174:915-924, October 1991. "Interleukin 10 (IL-10) and Viral IL-10 Strongly Reduce Antigen-specific Human T Cell Proliferation by Diminishing the Antigen-presenting Capacity of Monocytes via Downregulation of Class II Major Histocompatibility Complex Expression"
	BA	Rene de Waal Malefyt, et al., <u>J. Exp. Med.</u> 174:1209-1220, November 1991. "Interleukin 10 (IL-10) Inhibits Cytokine Synthesis by Human Monocytes: An Autoregulatory Role of IL-10 Produced by Monocytes"
	BB	Linna Ding, et al., <u>J. Immunol.</u> 151:1224-1234, August 1, 1993. "IL-10 Inhibits Macrophage Costimulatory Activity by Selectively Inhibiting the Up-Regulation of B7 Expression"
	BC	Linna Ding, et al., <u>J. Immunol.</u> 148:33133-3139, May 15, 1992. "IL-10 Inhibits Mitogen-Induced T Cell Proliferation by Selectively Inhibit Macrophage Costimulatory Function"
	BD	A. Enk, et al. <u>Journal of Experimental Medicine</u> , 179:1397-1402, 1994. "Induction of Hapten-specific Tolerance by Interleukin 10 In Vivo"
	BE	Stephan Fasler, et al., <u>J. Immunol.</u> 155:4199-4206, 1995. "Peptide-Induced Anergy in Allergen-Specific Human Th2 Cells Results in Lack of Cytokine Production and B Cell Help for IgE Synthesis"
↓	BF	Patrick E. Fields, et al., <u>Science</u> 271:1276-1278, 1996. "Blocked Ras Activation in Anergic CD4+ T Cells"

EXAMINER	<i>from [initials]</i>	DATE CONSIDERED
		12/18/03

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FORM PTO-1449 SEP 17 2002 <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>FOR PATENT</b> <i>(Use several sheets if necessary)</i>			ATTY. DOCKET NO.: DX0261K1Q	SERIAL NO.: 09/718,102
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			FILING DATE: 11/20/00	GROUP: <b>1762 1647</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>				
FH	BG	David F. Fiorentino, et al., <u>J. Exp. Med.</u> 170:2081-2095, December 1989. "Two Types of Mouse T Helper Cell: IV. Th2 Clones Secrete a Factor that Inhibits Cytokine Production by Th1 Clones"		
	BH	David F. Fiorentino, et al., <u>J. Immunol.</u> 146:3444-3451, May 1991. "IL-10 Acts on the Antigen-Presenting Cell to Inhibit Cytokine Production by Th1 Cells"		
	BI	Stephen J. Forman, et al., <u>Bone Marrow Transplantation</u> , Blackwell Scientific Publications, Cambridge, MA, Chapter 4, verso and pp. 37-38, 1994.		
	BJ	James D. Fraser, et al., <u>Immunol. Today</u> 14:357-362, 1993. "Signal Transduction Events Leading to T-Cell Lymphokine Gene Expression"		
	BK	Arnold S. Freedman, et al., <u>J. Immunol.</u> 139:3260-3267, November 1987. "B7, a B Cell-Restricted Antigen that Identifies Preactivated B Cells"		
	BL	Ricardo T. Gazzinelli, et al., <u>J. Immunol.</u> 148:1792-1796, 1992. "IL-10 Inhibits Parasite Killing and Nitrogen Oxide Production by IFN- $\gamma$ -Activated Macrophages"		
	BM	Ning Fei Go, et al., <u>J. Exp. Med.</u> 172:1625-1631, December 1990. "Interleukin 10, a Novel B Cell Stimulatory Factor: Unresponsiveness of X Chromosome-Linked Immunodeficiency B Cells"		
	BN	Hervé Groux, et al., <u>J. Exp. Med.</u> 184:19-29, July 1996. "Interleukin-10 Induces a Long-Term Antigen-Specific Anergic State in Human CD4+ T Cells"		
	BO	Clifford V. Harding, et al., <u>Proc. Natl. Acad. Sci.</u> 87:5553-5557, July 1990. "Functional and Ultrastructural Evidence for Intracellular Formation of Major Histocompatibility Complex Class II-Peptide Complexes during Antigen Processing"		
	BP	Chyi-Song Hsieh, et al., <u>Science</u> 260:547-549, April 1993. "Development of Th1 CD4+ T Cells through IL-12 Produced by <i>Listeria</i> -Induced Macrophages"		
	BQ	Di-Hwei Hsu, et al., <u>Science</u> , 250:830-832, Nov. 1990. "Expression of Interleukin-10 Activity by Epstein-Barr Virus Protein BCRF1"		
	BR	Marc K. Jenkins, <u>Immunol. Today</u> 13:69-73, 1992. "The Role of Cell Division in the Induction of Clonal Anergy"		
	BS	Marc Jenkins, et al., <u>J. Immunol.</u> 144:16-22, January 1, 1990. "Inhibition of Antigen-Specific Proliferation of Type 1 Murine T Cell Clones after Stimulation with Immobilized Anti-CD3 Monoclonal Antibody"		
	BT	Sang-Mo Kang, et al., <u>Science</u> 257:1134-1138, August 21, 1992. "Transactivation by AP-1 Is a Molecular Target of T Cell Clonal Anergy"		
	BU	Jonathan R. Lamb, et al., <u>J. Exp. Med.</u> 157:1434-1447, May 1983. "Induction of Tolerance in Influenza Virus-Immune T Lymphocyte Clones with Synthetic Peptides of Influenza Hemagglutinin"		
	BV	Wei Li, et al., <u>Science</u> 271:1272-1276, March 1, 1996. "Blocked Signal Transduction to the ERK and JNK Protein Kinases in Anergic CD4+ T Cells"		
	BW	Steven E. Macatonia, et al., "Differential Effect of IL-10 on Dendritic Cell-Induced T Cell Proliferation and IFN- $\gamma$ Production" <u>J. Immunol.</u> 150:3755-3765, May 1, 1993.		
	BX	Keven W. Moore, et al., <u>Science</u> 248:1230-1234, June 1990. "Homology of Cytokine Synthesis Inhibitory Factor (IL-10) to the Epstein-Barr Virus Gene BCRF1"		
	BY	Hiroaki Niiro, et al., <u>Intl. Immunol.</u> 6:661-664, 1994. "IL-10 Inhibits Prostaglandin E2 Production by Lysopolysaccharide-Stimulated Monocytes"		
	BZ	William E. Paul, ed., <u>Fundamental Immunology</u> , 2nd ed., Raven Press, NY, title page, verso, Chapter 1 pp. 15-16, 1989.		
EXAMINER <i>John H. Howell</i>		DATE CONSIDERED <i>12/11/03</i>		

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FA	CA	Ligia M. T. Peçanha, et al., <u>J. Immunol.</u> 150:3215-3233, April 15, 1993. "IL-10 Inhibits T Cell-Independent but Not T Cell-Dependent Responses in Vitro"	
	CB	Josette Péguet-Navarro, et al., <u>Er. J. Immunol.</u> 24:884-891, 1994. "Interleukin-10 Inhibits the Primary Allogenic T Cell Response to Human Epidermal Langerhans Cells"	
	CC	Fred Ramsdell, et al., <u>Science</u> 257:1130-1134, August 21, 1994. "Maintenance of in Vivo Tolerance by Persistence of Antigen"	
	CD	Han-Jurgen Rode, et al., <u>Virus Genes</u> 7:111-116, 1993. "The Genome of Equine Herpesvirus Type 2 Harbors an Interleukin 10 (IL-10)-Like Gene"	
	CE	Maria-Grazia Roncarolo, et al., <u>Bone Marrow Transplantation: Proceedings of Fetal and Neonatal Cell Transplantation and Retroviral Gene Therapy</u> , Vol. 9, Supp. 1:127-128, 1992. "T Cell Repertoire and Tolerance After Fetal Stem Cell Transplantation"	
	CF	Maria-Grazia Roncarolo, et al., <u>Journal of Cellular Biochemistry</u> , supp. 16A:214, 1992. "SCID Patients Reconstituted by Fetal Liver Stem Cells: Possible Role of IL-10 in Transplantation Tolerance"	
	CG	Maria Grazia Roncarolo, et al., <u>J. Exp. Med.</u> 167:1523-1534, May 1988. "Alloreactive T Cell Clones Specific for Class I and Class II HLA Antigens Isoated from a Human Chimera"	
	CH	Ronald H. Schwartz, <u>Science</u> 248:1349-1356, June 15, 1990. "A Cell Culture Model for T Lymphocyte Clonal Anergy"	
	CI	Hergen Spits, et al., <u>Int. Arch. Allergy Immunol.</u> 99:8-15, 1992. "Functional Characterization of Human IL-10"	
	CJ	Gen Suzuki, et al., <u>Int'l. Immunol.</u> 7:37-43, 1995. "Impaired CD-28-Mediated Co-Stimulation in Anergic T Cells"	
	CK	Kazuyuki Taga, et al., <u>Blood</u> 81:2964-2971, June 1, 1993. "Human Interleukin-10 Can Directly Inhibit T-Cell Growth"	
	CL	Shingo Takanashi, et al., <u>J. Exp. Med.</u> 180:711-715, August 1994. "Interleukin 10 Inhibits Lipopolysaccharide-Induced Survival and Cytokine Production by Human Peripheral Blood Eosinophils"	
	CM	Bart A. E. Vandekerckhove, et al., <u>J. Exp. Med.</u> 175:1033-1043, April 1992. "Human Hematopoietic Cells and Thymic Epithelial Cells Induce Tolerance via Different Mechanisms in the SCID-hu Mouse Thymus"	
	CN	P. Vieira, et al., <u>Proc. Natl. Acad. Sci.</u> 88:1172-1176, Feb. 1991. "Isolation and Expression of Human Cytokine Synthesis Inhibitory Factor cDNA Clones: Homology to Epstein-Barr Virus Open reading Frame BCRF1"	
	CO	R. Weimer, et al. <u>Transplantation</u> , 62(11):1606-1614, 1996. "Pretransplant CD4 Helper Function and Interleukin 10 Response Predict Risk of Acute Kidney Graft Rejection"	
	CP	Fabienne Williams, et al., <u>Eur. J. Immunol.</u> 24:1007-1009, 1994. "Interleukin-10 Inhibits B7 and Intercellular Adhesion Molecule-1 Expression on Human Monocytes"	
↓	CQ	Hans Yssel, et al., <u>J. Immunol.</u> 149:2378-2384, October 1, 1992. "IL-10 Is Produced by Subsets of Human CD4+ T Cell Clones and Peripheral Blood T Cells"	
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